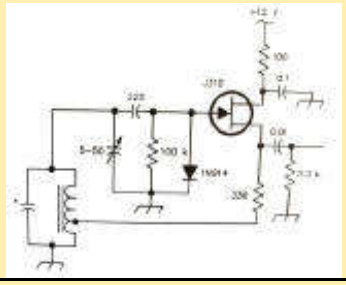
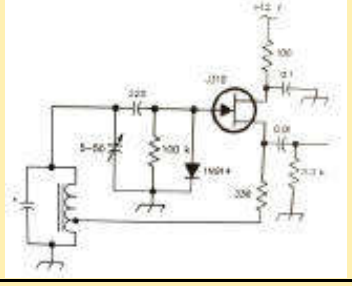
2016	Local Oscillator	March
	# Local Oscillator	
	Mesilla Valley Radio Club	

This is a pdf file. It will print easily. A free pdf file reader is at http://www.adobe.com

Current Events

Date	Event	Time
Sat	Informal at Cracker Barrel	6:00 AM
M, W, F	Informal Wal-Mart (West)	10:00 AM
Wed	MVRC Net 146.64	6:45 PM
March 5	Coffee Club House	8 AM
March 5	Business meeting Club House	9 AM
March 1	Builder's Group Club House	7 PM
March 9	Board Meeting Club House	7 PM
March 8	Linux –SIG Club House	7 PM
March 15	Builders Group Club House	7 PM
March 22	Linux - SIG Club House	7 PM
For more events see http://www.n5bl.org/calendar		

Table of Contents

Unclassifieds
Club Meeting
Board Minutes
Treasurer Report
Club Location
Club Officers
Membership Application



More information at http://swantenna.com



New Board Meeting

The Articles for This Month

Board Meeting

Financial details being passed out.

Unclassified

FOR SALE:

W5JG

My HP E8285A Communication Analyzer (service monitor) is for sale. I have upgraded. I have used this unit to work on many radios.

The unit was calibrated not too long ago and is very accurate. It has all of the functions you need for servicing AM, FM, CW and SSB radios (including DTMF, CTCSS and two-tone for SSB). It covers from 400KHz to 1GHz (more than enough for Amateur or Commercial use) and from 1.7GHz to 2GHz (for cellular). The spectrum analyzer and tracking generator options are also installed, as well as the High Stability oscillator,

C-message filter and 6KHz bandpass filter. This thing is several instruments in one.

This unit has the factory calibrated front end circuitry and the correct firmware, which is why it can accurately be used down to 400KHz. Almost all of the units that you see for sale elsewhere (like ebay) cannot be used below 30MHz, because the front end circuitry is not factory calibrated below that (I understand that there is no way to calibrate it later). If all you want is VHF/UHF, then one of the other units should suffice. Not so for HF.

Just one of the many things you can do with this: https://www.youtube.com/watch?v=NStmXEJIe-w If you look for other Youtube videos covering the use of any of the HP 89xx series models (and also generic spectrum analyzer and service monitor usage), just about everything can be done with this model. The only exceptions are EDACS, LTR, POCSAG and a few other things that Amateurs will never use (trunking and paging stuff).

Since this model was originally sold for testing cellular radios, the default maximum input power is 2.5W. I bought a brand new 30dB, 50W attenuator to allow higher power use. This attenuator makes the unit good for 50W continuously and up to 100W intermittently. The instrument automatically compensates for the extra attenuation, as I have entered the value into one of the setup screens. You can also look at signals off the air via the Antenna Input, which is more sensitive.

I also have some automated test software that I can give you if you buy a PCMCIA SRAM card to copy it onto. This model takes standard PCMCIA SRAM cards that can also be read/written in older laptop computers. The cards can be bought off ebay and elsewhere. In fact, I have two SRAM cards coming for my own use. I bought these:

http://www.ebay.com/itm/301659982340

The software does automated testing for FM transceivers, return loss, cable fault and other useful tests. You can do all of this manually, but the software just makes it easier. BTW, the software is written in HP Instrument BASIC, so it can be modified, or you can write your own test routines.

Lots of manuals and supplemental information is on the HP/Agilent/Keysight web site. For the non-cellular tests, look for the HP 8920 Application Guide. Somewhere I have a video tutorial that HP put out years ago. Someone transferred it from VHS tape.

If you want to come see this, let me know. I have over $1100 in this. Asking $800. I'll even show you how to use it .

Monthly Club Meeting

GENERAL MEETING 02-06-16

Club Meet and Greet: 8:00AM to 9:00AM

Educational Program: Cash Olsen **KD5SSJ** gave an insightful and fascinating presentation on Time and Frequency referencing a 1998 QST Article by Brooks Shera **W5OJM** which can be viewed on-line at

http://www.rt66.com/~shera/QST_GPS.pdf. Cash will present the more technical aspects of this presentation on a date yet to be determined.

At 1010 Club President Sven Breden **WB5OCY** called the Business Meeting to order. Club members introduced themselves and welcomed two new members to the club, Howard Brewington **KJ5NJ**, Advanced Class, who was responsible for maintaining the telescope utilized by NMSU's Astronomy Department and an avid Astronomer himself, and Graciela "Grace" Romero **KJ6ANV**. a General Class, who recently relocated here from CA and who was very active in EOC, ARES, and RACES in CA. Sven is at the end stage of preparation of a new club brochure which looks very promising and professional. Past President Lawrence "Gus" Landis **N0YRQ** demonstrated how the membership part of the form could be detached easily leaving the rest of the brochure intact. Sven advised that the Bean Feed has been moved to May 7th, 2016.

Club Treasurer Hugo Costa **N1MEX** was unavailable for the meeting. (For those not familiar with the Mesilla Valley Regional Dispatch Authority (MRVDA), Hugo is the director and with the new construction has many other pressing business commitments.)

Bob Bennett **AD5LJ**, Building Manager, announced that the clubhouse locks had been re-tooled due to several keys being unaccounted for. He can be contacted should you require a key replacement.

Past President Rob Truitt **KE5OFK** advised that all repeaters are up and running and the BBHN Ham Mesh Net is alive and well, approaching 40 nodes, with anticipated nodes with MVRDA. He is trying to get a node in Sundland Park and possibly to El paso, Caballo, and Little Floritas (Deming).

Charles Combs **KG5BVE** advised he is still trying to resolve obtaining a Call Sign for the Branigan Library SE. ARRL only issues SE Call Signs for 15 days. He is working on a viable solution. He also mentioned that QST Magazine will be publishing Bean Feed information.

George Kopp **KD5OHA** Race Coordinator reminded the club of the Wednesday Night Net at 6:45PM on the club repeater and the Friday 9:00AM Department of Health net on the MegaLink. All hams may check in to this net.

Harvey Baldwin **W0RUG** asked that any members interested in obtaining a new (old style) club windbreaker should contact him as he is working on a pricing quote for a new order. eMail hhbaldwin@q.co

Margaret Bernstein **KF5KHJ** commented regarding the Branigan Cultural

Center Exhibition of which the club will be an active participant. The exhibition is from September 9th, 2016 to October 15th, 2016 and the club will be utilizing the Shannon Room. The club's designated representative for this event is Charles Welch **N5CWW** *(eMail cwwelch@usa.net)*. The exhibits will need to be staffed from 10:00AM to 5:00PM the six weeks of the exhibit. The club is looking for your ideas and possible exhibit including Ham and commercial radios, diagrams, art, and possible staffing of an active Ham Radio Station.

Rick Bernstein **W3GUU** provided details regarding National Parks On The Air, an event. Throughout 2016, Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public. See http://www.arrl.org/NPOTA for additional details. Rick suggested a possible club activity on Saturday afternoons or Wednesday mornings on 20M. 483 National parks in the US will be participating. Rick also advised of the following February rare DX event: South Sandwich and South Georgia Islands.

Monthly Board Meeting

Meeting called to order: 7:05PM
Board members:

Sven Breden **WB5OCY**	member
John Cruddas **KE5JWC**	Member
Hugo Costa **N1MEX**	Member
Cash Olsen **KD5SSJ**	Member
Bob Bennett **AD5LJ**	Member
Alex Burr **KX5Y**	Member
Robert Truitt **KE5OFK**	Member (Not Present)
Terry Wood **KF5SMQ**	Member (Not Present)

Also present:

George Kopp **KD5OHA**
Charles Combs **KG5BVE**
Randy Adamson **KE5EMP**

Sven called the meeting to order at 7:05PM. Sven advised that the Bean Feed has been scheduled for Saturday, May 7th. If anyone is interested in club business cards let Sven know and he will take care of them. He also is working on a new club brochure which is in the final stages and should be ready soon.

Hugo presented the treasurer's report for the year-end 2015. Bob moved to accept the report and George seconded it. The vote to approve was unanimous. Hugo also reported that the insurance deductible had been increased from $250 to $1000. He further explained that there was an error in the insurance company posting the check on time and it led to the cancellation of the policy which was then re-instated for 2016. Hugo said the new MVRDA Building is near ready but was still in the construction stages. Upon completion he would be able to afford members a club tour.

Bob advised that the club is running low on office supplies for the club station and will be making a necessary purchase in the near future. Bob also suggested that the kitchen be utilized to add an additional radio station as it will no longer be used for major cooking due to the non-feasibility of a major renovation. He also suggested that the excess kitchen equipment be sold at the annual Bean Feed. His ideas were generally accepted but will be discussed at the next business meeting for member's input.

Alex advised that he continues to seek articles for the Oscillator. All members are encouraged to participate in this endeavor. Many of you have great knowledge to impart to the membership.

Cash suggested that a new TV be purchased as it would provide for better demonstrations by speakers and would be enjoyed by the whole club. He also mentioned that the projector is "slowing down" as well. The ideas were generally accepted and Sven advised they will be discussed at the next business meeting. Cash said the next presentation would be by Bob or Charles. Charles would be discussing his spark transmitter.

Charles provided updated information on the progress of the Branigan SE and advised he was still attempting to get a call sign for the event. ARRL advised a call sign could not be issued for more than 15 days for a SE but they are looking at options and work-arounds.

George advised that the WSMR will probably accept NM driver's licenses for entry to the Bataan SE but nothing is solid yet. He also advised that a Ham was wanted in the EOC position located in the new Mesilla Valley Dispatch building. Henry Schotzko **AD5FE** will take care of it.

At 7:42 Sven called the meeting closed.

Treasurer Report

Next page

Mesilla Valley Radio Club

Treasurer's Report – Year End 2015

Account Balances Ending December 31, 2015:

Checking:	$12,150.50
Savings:	$ 5,403.09
Savings (Ed):	$ 1,657.75
Accounts Total:	**$19,273.90**

Annual Interest Rate on Savings = 0.03%

Total Income 2015: $11,188.56 **Total Expenditures 2015: $2,436.39**

Fund Balances: (2013-2015)

Repeater Fund Balance: $1,029.00 **Building Fund Balance: $467.96**

Proposed Budget for 2016:

Mesilla Valley Radio Club BUDGET - 2016

Month/Year: 2016

SUMMARY	ACTUAL	BUDGETED	OVER BUDGET	UNDER BUDGET
Total income		7,203.00		-7,203.00
Total expenses		6,835.00		-6,835.00
Income less expenses:		368.00		-368.00

INCOME DETAILS	ACTUAL	BUDGETED	OVER BUDGET	UNDER BUDGET
Bean Feed		2,500.00		-2,500.00
Breakfast/Refreshements		200.00		-200.00
Donations (Building Fund)		1,000.00		-1,000.00
Donations (Repeater Fund)		1,000.00		-1,000.00
Dues		2,000.00		-2,000.00
Equipment Sales (Non-Bean Fd)		500.00		-500.00
Interest Income		3.00		-3.00
Total income:		7,203.00		-7,203.00

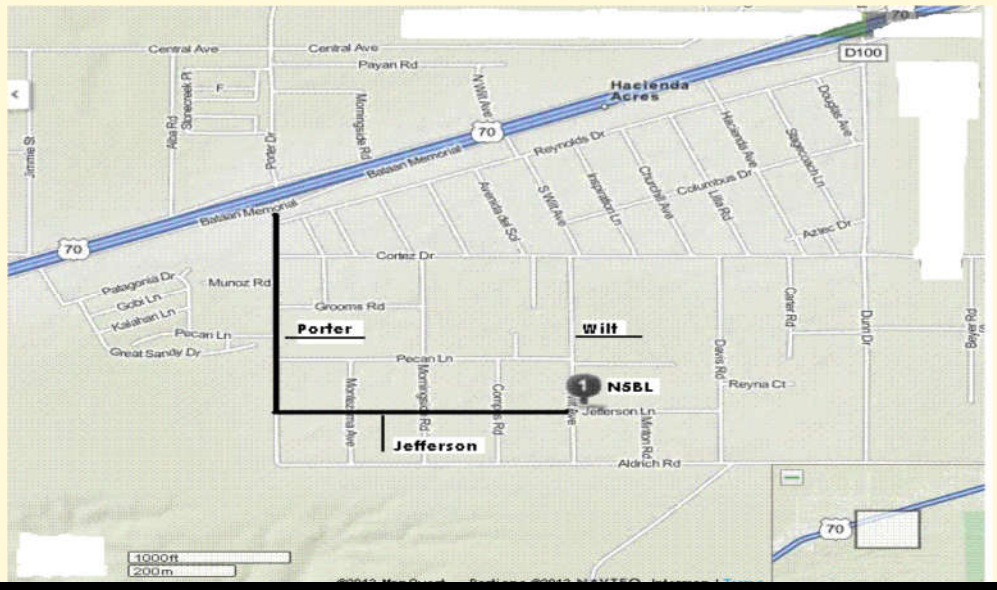
EXPENSE DETAILS	ACTUAL	BUDGETED	OVER BUDGET	UNDER BUDGET
Awards/Donation		250.00		-250.00
Banking Fees		60.00		
Bean Fead		250.00		-250.00
Breakfast/Refreshments		200.00		-200.00
Building Supplies/Expenses		1,000.00		-1,000.00
Insurance (Building & Liability)		800.00		-800.00
Office Supplies		100.00		-100.00
P.O. Box/Web Site		175.00		-175.00
Property Taxes		1,350.00		-1,350.00
QSL/Events		200.00		-200.00
Repeaters/Radio Equipment		800.00		-800.00
Utilities		1,300.00		-1,300.00
Unclassified		100.00		-100.00
Travel Expenses		250.00		-250.00
Total expenses:		6,835.00		-6,835.00

K5PHB

CLUB INFORMATION

The MVRC Clubhouse is located at the intersection of Wilt and Jefferson. To find the clubhouse, set your destination on your GPS receiver as 32 degrees 22.961 minutes and -106 degrees 41.44 minutes. If you don't own a GPS, take the Porter exit near the firehouse on US 70. It is about 5 miles east from the I 25 interchange. Go south on Porter until you come to Jefferson. There turn left toward the mountains and go to Wilt. You will see the beam on the corner. The treasurer would be delighted to receive your contribution for landscaping and furnishing. More information at http://n5bl.org

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Officers				
Office	**Name**	**Call**	**Phone**	**E-Mail**
President	Sven Breden	K5SHB	655-0414	sven.breden@gmail.com
VP				
Secretary	John Cruddas	KE5JWC	525-9445	KE5JWC@yahoo.com
Treasurer	Hugo Costa	N1MEX	644-9211	n1mex@arrl.net
Board Members				
	Cash Olsen	KD5SSJ	382-1917	kd5ssj@arrl.net
	Bob Bennett	AD5LJ	382-0148	rpbennett1@comcast.net
	Alex. Burr	K5XY	522-2528	k5xy@arrl.net
	Robert Truitt	KE5OFK	649-4173	robhtruitt@zianet.com
	Terry Wood	KF5SMQ		

JOIN THE CLUB

To join the Mesilla Valley Radio Club, renew your membership, or to support the repeaters, please print, cut out, and complete the form below. Send it with dues ($35 single, $45 family per year. to: Treasurer, MVRC, Box 1443, Las Cruces, NM 88004.

MESILLA VALLEY RADIO CLUB
CALL SIGN(S) _____FAMILY yes____ no____
LICENSE CLASS (E, A, G, T, N) _____ _____ _____
ARRL (Y/N) _____
ARRL VE (Y/N) _____ _____ _____
Would you like to be added to the MVRC reflector? _____
NAME _____
EMAIL _____
STREET ADDRESS _____
CITY & ZIP _____ PHONE _____ (OPTIONAL)
INTERESTS – Computer __ Contests __ Digital __ Elmer __ Emergency Communications __ Field Day __ Packet __ Programs __ Public Service __ Publicity __ RFI __ Repeater __ Social __ License Classes __ Teach License Classes __ Volunteer Examiner __ Other _____
SINGLE $35 FAMILY $45